

Converting Colors

XYZ(38.2793, 47.3869, 11.0522)

Have a look what the booklet for
XYZ(38.2793, 47.3869, 11.0522)
contains.

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Color

**XYZ(38.1917, 47.2603,
10.9801)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BF39
RGB	180, 191, 57
RGB Percent	71%, 75%, 22%
CMY	0.2941, 0.2510, 0.7765
CMYK	0.06, 0.00, 0.70, 0.25
HSL	65°, 54%, 49%
HSV	65°, 70%, 75%
XYZ	38.1917, 47.2603, 10.9801
YIQ	172.4350, 36.4580, -44.0060

Conversions

Conversions Part 2

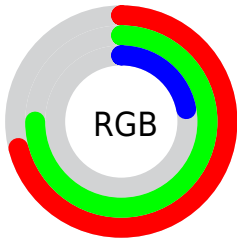
Format	Color
RYB	57, 191, 68
Decimal	11845433
CIELab	74.36, -20.50, 62.69
CIELCh	74, 65.962, 108.111
Yxy	47.2603, 0.3960, 0.4901
Android (android.graphics.Color)	4290035513 (0xFFB4BF39)
YUV	172.4350, -56.9095, 6.6345
Hunter-Lab	68.7461, -21.1406, 38.6525

Details

The XYZ color **38.1917, 47.2603, 10.9801** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **13.2525, 7.9178, 50.1229**, and the grayscale version is **39.7013, 41.7688, 45.4862**.

A 20% lighter version of the original color is **71.7820, 86.0421, 28.1537**, and **17.4007, 22.4620, 3.4185** is the 20% darker color. If you saturate the color by 10%, you get **37.4393, 46.9191, 8.9086**, and if you desaturate by 10%, it is **39.1296, 47.6796, 13.9974**.

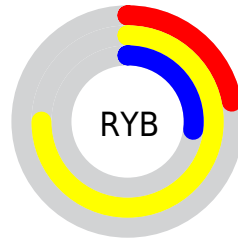
Distribution



Red (71%)

Green (75%)

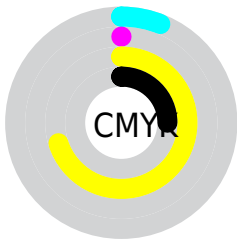
Blue (22%)



Red (22%)

Yellow (75%)

Blue (27%)

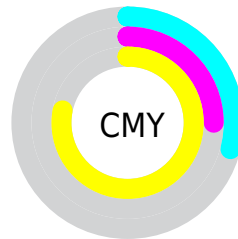


Cyan (6%)

Magenta (0%)

Yellow (70%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1917, 47.2603, 10.9801 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.1917, 47.2603, 10.9801 by changing the saturation by 10% instead.

■ 38.1917, 47.2603,
10.9801

■ 38.1917, 47.2603,
10.9801

329.7083,
375.8526, 208.2635

■ 26.3094, 33.2415,
5.9395

■ 71.7039, 86.1020,
28.2595

■ 17.1891, 22.3115,
2.7401

■ 94.0645, 111.6937,
41.3352

■ 10.4656, 14.0860,
0.9635

■ 120.6485,
141.9119, 57.9265

■ 5.7733, 8.1805,
0.0000

■ 151.8214,
177.1408, 78.4517

■ 2.7471, 4.2107,
0.0000

■ 187.9484,
217.7650, 103.3295

■ 1.0215, 1.7921,
0.0000

229.3950,

■ 0.0000, 0.4822,

264.1687, 132.9784

0.0000

276.5265,
316.7364, 167.8169

■ 0.0000, 0.0000,
0.0000

■ 38.1917, 47.2603,
10.9801

■ 38.1917, 47.2603,
10.9801

■ 37.4393, 46.9191,
8.9086

■ 39.1296, 47.6796,
13.9974

■ 36.8478, 46.6410,
7.6679

■ 40.2678, 48.1778,
18.0524

■ 36.3825, 46.4145,
7.0413

■ 41.6233, 48.7634,
23.2296

■ 43.2101, 49.4420,
29.6037

■ 45.0414, 50.2189,
37.2432

■ 47.1292, 51.0988,
46.2115

■ 49.4847, 52.0864,
56.5675

■ 52.1185, 53.1857,
68.3667

■ 55.0405, 54.4008,
81.6616

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.7876, 47.2603, 10.3374



38.1917, 47.2603, 10.9801



29.9811, 47.2603, 18.9906

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.1917, 47.2603, 10.9801



31.3387, 47.2603, 117.0677



71.1593, 47.2603, 66.1339

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.1917, 47.2603, 10.9801



13.2525, 7.9178, 50.1229

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.1424, 47.2603, 108.6033



38.1917, 47.2603, 10.9801



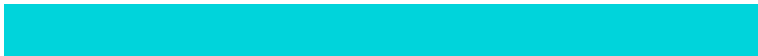
40.3795, 47.2603, 145.5828

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.1917, 47.2603, 10.9801



26.5314, 47.2603, 74.5690



52.3943, 47.2603, 141.9408



70.2916, 47.2603, 33.6966

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1917, 47.2603, 10.9801



26.8954, 47.2603, 30.7339



52.3943, 47.2603, 141.9408



69.6001, 47.2603, 79.8765

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.1928, 47.2625, 10.9811



80.2554, 89.7640, 64.9673



24.1703, 15.2616, 5.5434



17.4154, 19.6233, 13.3919



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1928, 47.2625, 10.9811



66.4685, 83.7564, 14.6332



26.4501, 41.2089, 10.4315



10.2429, 11.0796, 10.1754



23.9413, 30.5181, 4.6287



0.9609, 1.2073, 0.1824

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.2525, 7.9178, 50.1229



19.2541, 9.0855, 89.0180



20.5310, 11.6700, 50.4635



9.0872, 9.2618, 11.9810



6.3459, 2.5575, 32.5521



0.2735, 0.1131, 1.2763

Previews

White Background



This preview shows how the XYZ color 38.1917, 47.2603, 10.9801 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.1917, 47.2603, 10.9801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1917, 47.2603, 10.9801

Background



This preview shows how black text looks on a background with the XYZ color 38.1917, 47.2603, 10.9801.



This preview shows how white text looks on a background with the XYZ color 38.1917, 47.2603,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.1917, 47.2603, 10.9801

Protanopia

42.7999, 47.1219, 10.4541

Deuteranopia

47.8639, 46.7513, 11.3517



Tritanopia

47.4271, 46.9840, 56.4383

Trichromacy



Original Color

38.1917, 47.2603, 10.9801

Protanomaly

41.0377, 47.1391, 10.6772

Deuteranomaly

44.0275, 46.8283, 11.1331

Tritanomaly

42.6304, 46.5415, 32.7231

Monochromacy



Original Color

38.1917, 47.2603, 10.9801

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8286, 42.9659, 27.4186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1917, 47.2603, 10.9801 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 191, 57)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 57)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 191, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 57) }
```

Border

The CSS property to change the border of an element to XYZ 38.1917, 47.2603, 10.9801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 191, 57) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 191, 57) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 191, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 57);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1917, 47.2603, 10.9801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 57) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
191, 57) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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